

* incl. 20 [-5; +30] mm pull out

3D model is available on request or www.hyva.com

Specifications		Max. pump flow		Tipping time	
Max. working pressure	250 bar	With KO ¹	190 L/min	With KO ¹	7 sec
Weight	137 kg	Without KO ¹	162 L/min	Without KO ¹	8 sec
Working volume	22 L	With KO ¹ below -20°C	133 L/min	With KO ¹ below -20°C	10 sec
Total volume	24 L	Without KO ¹ below -20°C	113 L/min	Without KO ¹ below -20°C	11 sec
Max. cyl. load (start tipping)	275 kN	Allowable lowering time			7 sec

Technical notes

- This cylinder is a lifting device only.
- It should not be used as a structural member and should not be subjected to side loads.
- Tipping valve must have a pressure relief at the cylinder port set not higher than max. working pressure.
- Verify max. cyl. load.
- Working temperature range is between -40°C and +80°C.
- Max. duration of extension is 0.5 hours (excluded hard chromed stages).
- Cylinder is painted black (RAL9005) with a min. thickness conforming to the 480 hours neutral salt spray test as per ISO 9227.
- ¹ Hyva knock-off.

Related documentation

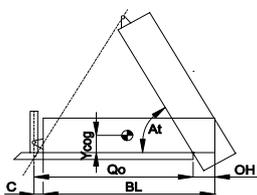
Bracket options:	015BRA10 & 015BRA12
Mounting instructions:	CYL-0030
Oil specifications:	OIL-0011
Spec sheet explanation:	CYL-0041

Configuration

Extension	1	2	3	4	5	6	7	Total
Effective diameter [mm]	118	99						2320
Stroke* [mm]	1150	1170						

Tipping weight

For detailed tipping calculations please refer to: <https://tipper.hyva.com>

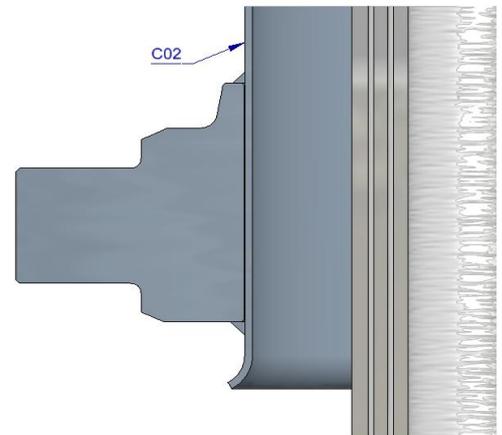
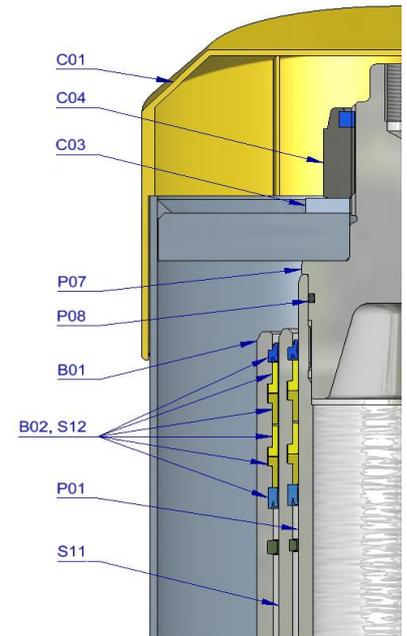


BL body length
OH rear overhang
Ycog vert. pos. centre of gravity
Qo pivot length
C bracket length
At tipping angle
stroke x 60 / Qo

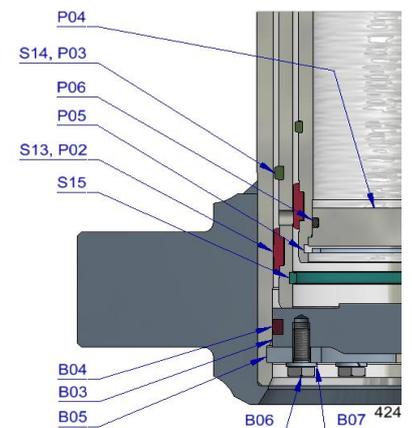
BL [mm]	200	3100	600	200	3050	600	200	3000	600
OH [mm]	45	49	53	46	50	54	47	51	56
At [°]									
Ycog [mm]									
C [mm]	53	60	72	53	61	74	53	62	76
At [°]	58	69		59			60		

Tipping weight [ton] at maximum pressure of 250 bar for a vertically mounted cylinder and C is 178 mm

Pos.	Part no.	Description	Qty.
C01	71839040	DUST COVER FC LOW 15-244	1
C02	71706086	COVER 242-0405 PIN60 A340 FIX	1
C03	01702956K	WASHER M48 DIN 125B ZP	1
C04	01702907K	TOPNUT NYLOC M48x3 DIN 985 ZP	1
P01	70433371	PISTON MN3 S 099-1365-HC	1
P02	70209310K	SLIDER MN 099 (2 x 1/2) A22	1
P03	70216099K	OUTER STOPRING MN 099 A22	1
P04	70224099	BOTTOM PLATE PISTON MN 099	1
P05	01770580K	CIRCLIP 90 DIN 472 (95.5x3.5)	1
P06	70260215K	O-RING PISTON BOTTOM 099	1
P07	70232400	PISTON HEAD MN3 099	1
P08	70260115K	O-RING 82.14 X 3.53 MM	1



S11	70664371	STAGE MN2 118-1360-HC	1
S12	70203118K	PACKSET MN 118	1
S13	70209320K	SLIDER MN 118 (2 x 1/2) A22	1
S14	70216118K	OUTER STOPRING MN 118 A22	1
S15	70217118K	LIFTRING MN 118 A22	1
B01	70365376	BASE MN2 137-1399-4/4BSAE-290-90	1
B02	70203137K	PACKSET MN 137	1
B03	70225350	BOTTOM PLATE MN2 137	1
B04	70270137K	SEAL BOTTOM PLATE MN 137	1
B05	70220137	LOCKING PLATE MN 137	3
B06	01732055K	BOLT HEX M8X20X1.25 SET 6 PCS	1
B07	01732559K	WASHER SPRING M8 SET 6 PCS	1



Seal kit complete

71907420K	Consists of all packsets with packset grease and O-rings
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Notes

The inner stopring and piston bottom are pre-mounted on spare bases, stage and pistons. Therefore, when ordering new tubes, it is not required to order these parts separately.

For repair instructions see: CYL-0040. Serial no. is located on type plate and near type plate support.